



National Weather Service

Storm Data and Unusual Weather Phenomena



July 1999

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
----------	------	----------------------------	---------------------------	--------------------------	--------------------------------	---------------------------------	---------------------------------	------------------------------	--------------------

ILLINOIS, Northwest

ILZ001>002-007-009-015>018-024>026-034>035 **Jo Daviess - Stephenson - Carroll - Whiteside - Rock Island - Henry - Bureau - Putnam - Mercer - Henderson - Warren - Hancock - McDonough**

19	0400CST				1	0			
31	2000CST								Excessive Heat

A strong ridge of high pressure over the central U.S. produced very hot and humid conditions over the midwest from mid to late July. Heat advisories and warnings were issued for portions of western Illinois during the period. Temperatures around the 100 degree mark combined with dewpoints in the 70s produced heat indices of 105 to as high as 125 degrees. The Henry County (Illinois) Coroner cited heat-related factors as the cause of death of an elderly Kewanee man on July 28th. Newspaper accounts indicate at least 19 people in Illinois, and 27 in Missouri, died from heat-related factors since July 19th. M74PH

Whiteside County
Countywide

21	1845CST				0	0	15K		
	1945CST								Thunderstorm Wind

According to a newspaper account, thunderstorm winds blew the roofs off some cabins and damaged some mobile homes along the Rock River near Prophetstown. Thunderstorm winds also damaged Montmorency School south of Rock Falls, and downed trees and power lines, which blocked several roads throughout the county.

Jo Daviess County
Countywide

23	1600CST				0	0			
	2100CST								Urban/Sml Stream Fld

Thunderstorms produced rainfall amounts of 3 to 4 inches, which produced urban and small stream flooding.

Stephenson County
Countywide

23	1600CST				0	0			
	2100CST								Urban/Sml Stream Fld

Thunderstorms produced rainfall amounts of 3 to 4 inches, which caused urban and small stream flooding.

Rock Island County
Countywide

23	1800CST				0	0			
	2000CST								Urban/Sml Stream Fld

Heavy rains caused urban and small stream flooding in Rock Island County.

Stephenson County
Freeport

23	1800CST				0	0			
----	---------	--	--	--	---	---	--	--	--

Law enforcement reported 3/4 inch hail in Freeport.

Stephenson County
Orangeville

23	1850CST				0	0			
----	---------	--	--	--	---	---	--	--	--

A NWS spotter reported trees downed by lightning in Orangeville.

Henry County
1 E Annawan

23	2008CST				0	0			
----	---------	--	--	--	---	---	--	--	--

A NWS spotter reported six inches of standing water on Interstate 80 just east of Annawan.

Summary for 7/23/99: (For additional details, see individual reports for the date.) A moist and unstable environment produced conditions ripe for severe weather, as clusters of intense thunderstorms moved over western Illinois during the late afternoon and evening hours. One storm produced a 70 mph wind gust at the Quad City Airport in Moline. Hail to 3/4 inch and damaging lightning were reported in Stephenson County. Urban and small stream flooding occurred over four counties in northwest Illinois. Torrential rain produced six inches of standing water on Interstate 80 east of Annawan.

Hancock County
Countywide

26	1900CST				0	0	12K		
	2000CST								Thunderstorm Wind

Thunderstorm winds downed large trees and power lines over much of the county, including the communities of Basco, Carthage, Hamilton and Warsaw.

Rock Island County
Reynolds

27	2325CST				0	0	1K		
----	---------	--	--	--	---	---	----	--	--

Thunderstorms produced downburst winds which downed large trees just north of Reynolds.

Mercer County
Viola

27	2330CST				0	0	0.50K		
----	---------	--	--	--	---	---	-------	--	--

Thunderstorms produced downburst winds which downed power lines in Viola.



National Weather Service

Storm Data and Unusual Weather Phenomena



July 1999

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
----------	------	----------------------------	---------------------------	--------------------------	--------------------------------	---------------------------------	---------------------------------	------------------------------	--------------------

IOWA, East Central and Southeast

Buchanan County

Countywide **02 1900CST** **0 0** **Urban/Sml Stream Fld**
03 0000CST
Heavy rain caused urban and small stream flooding across the county.

Jones County

Anamosa **02 1900CST** **0 0** **Urban/Sml Stream Fld**
03 0000CST
Thunderstorms dumped 3 to 4 inches of rain on the city of Anamosa, which caused flooding on Therese Avenue. Residences had water and sewage coming through basements, toilets and showers.

Jones County

**Anamosa to
Amber** **02 2200CST** **0 0** **Hail (0.88)**
2300CST
Nickel-sized hail produced a mile-wide swath of crop damage from Anamosa to Amber. Corn was stripped and knocked down.

Benton County

Garrison **02 2230CST** **0 0 7K** **Thunderstorm Wind**
Thunderstorm winds blew a roof off a garage, destroyed two small sheds, and downed many trees and power lines.

Cedar County

Mechanicsville **02 2245CST** **0 0** **Hail (0.75)**
Emergency management reported 3/4 inch hail in Mechanicsville.

Linn County

Mt Vernon **02 2300CST** **0 0 8K** **Thunderstorm Wind**
03 0000CST
Thunderstorm winds destroyed many large trees and damaged two cars at residences in Mt. Vernon.

Linn County

Palo **02 2330CST** **0 0** **Thunderstorm Wind (G51)**
A Cedar Rapids television station reported a 60 mph thunderstorm gust at a residence near Palo.

IAZ065>068-078-089

Cedar - Clinton - Muscatine - Scott - Louisa - Des Moines

03 1900CST **0 0** **Flood**
10 1800CST

Summary of July 3-10 flooding event:

Very heavy rains...with local amounts up to 8 inches...fell from July 2nd through the 3rd and resulted in flooding on the Wapsipinicon, Iowa and Cedar rivers. Flooding was minor to moderate on the Wapsipinicon and Cedar rivers, and minor on the Iowa River.

IAZ030-040>042-051>054-063>068-076>078-087>089-098>099

Clayton - Buchanan - Delaware - Dubuque - Benton - Linn - Jones - Jackson - Iowa - Johnson - Cedar - Clinton - Muscatine - Scott - Keokuk - Washington - Louisa - Jefferson - Henry - Des Moines - Van Buren - Lee

19 0400CST **0 0** **Excessive Heat**
31 2000CST

A strong ridge of high pressure over the central U.S. produced very hot and humid conditions over the midwest from mid to late July. Heat advisories and warnings were issued for portions of eastern Iowa during the period. Temperatures around the 100 degree mark combined with dewpoints in the 70s produced heat indices of 105 to as high as 125 degrees. Newspaper accounts indicate at least 19 people in Illinois, and 27 in Missouri, died from heat-related factors since July 19th.

Buchanan County

Countywide **20 1700CST** **0 0** **Urban/Sml Stream Fld**
2300CST

A stationary front was the focus for re-developing thunderstorms which dumped four to five inches of rain over the county. Law enforcement reported standing water in ditches and over some roads.

Jackson County

Preston **21 1600CST** **0 0** **Urban/Sml Stream Fld**
1900CST

Slow-moving thunderstorms produced four to five inches of rainfall, which flooded streets and ditches in Preston.

Jackson County

3 W Bellevue **21 1635CST** **0 0** **Hail (1.00)**



National Weather Service

Storm Data and Unusual Weather Phenomena



July 1999

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
----------	------	----------------------------	---------------------------	--------------------------	--------------------------------	---------------------------------	---------------------------------	------------------------------	--------------------

IOWA, East Central and Southeast

Law enforcement reported quarter-sized hail in rural Bellevue.									
Jackson County 3 W Bellevue	21	1635CST			0	0			Thunderstorm Wind (G51)
Law enforcement reported a 60 mph thunderstorm gust in rural Bellevue.									
Clinton County 2 S Charlotte	21	1715CST 1815CST			0	0	1.5K		Thunderstorm Wind
Thunderstorm winds downed several large trees, destroyed a large wooden playhouse and dislodged a concrete slab at a farm south of Charlotte.									
Clinton County Clinton	21	1715CST 1815CST			0	0	2K		Lightning
Lightning struck a transformer, which resulted in a power outage for several hours at a factory.									
Clinton County 3 NW Andover	21	1735CST			0	0			Hail (0.75)
Law enforcement reported 3/4 inch hail in rural Andover.									
IAZ040-051>053-064>068-078-089	Buchanan - Benton - Linn - Jones - Johnson - Cedar - Clinton - Muscatine - Scott - Louisa - Des Moines								
	23 31	0700CST 2359CST			0	0			Flood
Summary of July 23-August 5 flooding event:									
Heavy rains fell across northern Iowa into southern Wisconsin and extreme northwest Illinois the evenings of July 18-21. As much as 8 to 10 inches fell in the Cedar and Wapsipinicon river basins the nights of July 20 and 21. Major flooding occurred on the Cedar, Wapsipinicon and Iowa rivers.									
On the Cedar River, Cedar Rapids experienced major flooding. The crest of 18.31 feet (5.31 ft above flood stage) on July 26th was the 6th highest crest on record there. Due to advance warning the city prepared well for the flooding and experienced minor problems due to the flooding. Major flooding also occurred near Conesville, with some homes affected. The crest near Conesville was 16.68 feet (4.68 ft above flood stage) on July 28th. A small levee break along the river near Nichols, IA, during the evening of July 26 resulted in heavy flooding of 30 homes. One farmer lost 160 acres of farmland as a result of the levee break.									
Major flooding occurred on the Wapsipinicon River as well. The communities of Independence, Littleton, Anamosa and DeWitt all experienced flooding problems as waters rose. At Independence, the river crested at 18.8 feet (6.8 ft above flood stage) on July 24th. According to a Red Cross report, 71 homes in Independence and 47 in the nearby town of Littleton received major water damage, with at least two feet of water on the first floor. At Anamosa, the river crested at 13.3 feet (4.3 ft above flood stage) on July 26th. Flooding affected some unprotected businesses and homes near the river. Near DeWitt, the Wapsipinicon crested at 12.97 feet (2.97 ft above flood stage) on July 30th. Some homes and businesses near the river were affected.									
The Iowa River was the third tributary to experience major flooding during this event. At Wapello, the river crested at 25.09 feet (5.09 ft above flood stage) on July 29th. Flooding of low-lying agricultural lands near the river occurred, and most islands in the river's flood plain were inundated.									
All rivers fell below flood stage by August 5th.									
Buchanan County Countywide	23	1400CST 1900CST			0	0			Urban/Sml Stream Fld
Urban and small stream flooding across Buchanan County resulted in the closing of a portion of U.S. Highway 150 and other county roads.									
Cedar County Tipton	23	1435CST			0	0	5K		Thunderstorm Wind
Thunderstorm winds downed large tree limbs and power lines in Tipton, which resulted in a power outage in the community.									
Henry County New London	23	1520CST			0	0			Thunderstorm Wind (G51)
60 mph thunderstorm wind gust reported in New London.									
Cedar County Stanwood	23	1724CST			0	0			Thunderstorm Wind (G51)



National Weather Service

Storm Data and Unusual Weather Phenomena



July 1999

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
----------	------	----------------------------	---------------------------	--------------------------	--------------------------------	---------------------------------	---------------------------------	------------------------------	--------------------

IOWA, East Central and Southeast

Law enforcement reported a 60 mph thunderstorm wind gust in Stanwood.									
Louisa County Columbus Jct	23	1740CST			0	0			Thunderstorm Wind (G51)
Law enforcement reported a 60 mph thunderstrom wind gust in Columbus Junction High winds downed large trees and power lines.									
Scott County Countywide	23	1800CST 2000CST			0	0			Urban/Sml Stream Fld
Torrential rains produced street flooding in Davenport. Heavy rain in Eldridge leaked through latches on the roof of the high school auditorium, and dripped onto the stage.									
Scott County Davenport	23	1835CST			0	0			Hail (0.75)
Penny-sized hail fell in Davenport.									
Scott County Davenport Arpt	23	1835CST			0	0			Thunderstorm Wind (G50)
A 58 mph thunderstorm wind gust was recorded at the Davenport Airport.									
Scott County Eldridge	23	1835CST			0	0			Thunderstorm Wind (G51)
A 60 mph thunderstorm gust downed power lines in Eldridge, which resulted in a power outage in the community.									
Scott County Davenport	23	1843CST			0	0			Thunderstorm Wind (G51)
A NWS spotter reported a 60 mph thunderstorm wind gust in Davenport. The high winds damaged a large tarp covering the Government Bridge in the Quad Cities.									
Summary for 7/23/99: (For additional details, see individual entries for the date.) A moist and unstable environment produced conditions ripe for severe weather, as clusters of intense thunderstorms moved over eastern Iowa during the afternoon and evening hours. Thunderstorm wind gusts up to 60 mph occurred over the area, with hail up to 3/4 inch. High winds damaged a large tarp covering the Government Bridge in the Quad Cities, and downed large trees and power lines. Very heavy rainfall also produced urban and small stream flooding over Scott and Buchanan counties.									
Lee County Keokuk	26	1925CST			0	0	5K		Thunderstorm Wind
Thunderstorms winds downed trees and power lines in Keokuk.									
Iowa County North English	27	2138CST			0	0	10K		Thunderstorm Wind
Downburst winds blew the roof off a farrowing house in rural North English and snapped large tree limbs in North English proper.									
Iowa County Williamsburg	27	2138CST			0	0	1K		Thunderstorm Wind
Thunderstorm downburst winds downed trees in Williamsburg.									
Washington County Ainsworth	27	2215CST			0	0	10K		Thunderstorm Wind
Thunderstorm downburst winds tore the roof off a house in Ainsworth.									
Louisa County 1 E Morning Sun	27	2244CST			0	0			Thunderstorm Wind (G51)
A thunderstorm gust of 60 mph blew a Sheriff's squad car into the opposite lane of traffic in rural Morning Sun.									
Lee County Ft Madison	28	0400CST			0	0			Thunderstorm Wind (G51)
A line of thunderstorms produced 60 mph winds, which downed tree limbs in Ft. Madison.									



National Weather Service

Storm Data and Unusual Weather Phenomena



July 1999

Location	Date	Time	Path Length (Miles)	Path Width (Yards)	Number of		Estimated		Character of Storm
		Local/ Standard			Killed	Injured	Property	Crops	

WISCONSIN, Extreme Southwest

NONE REPORTED.